

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P159310

Luminaire Tested: **VST-E03-LED-E-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159310
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E03-LED-E-U-T2
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9260.1 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

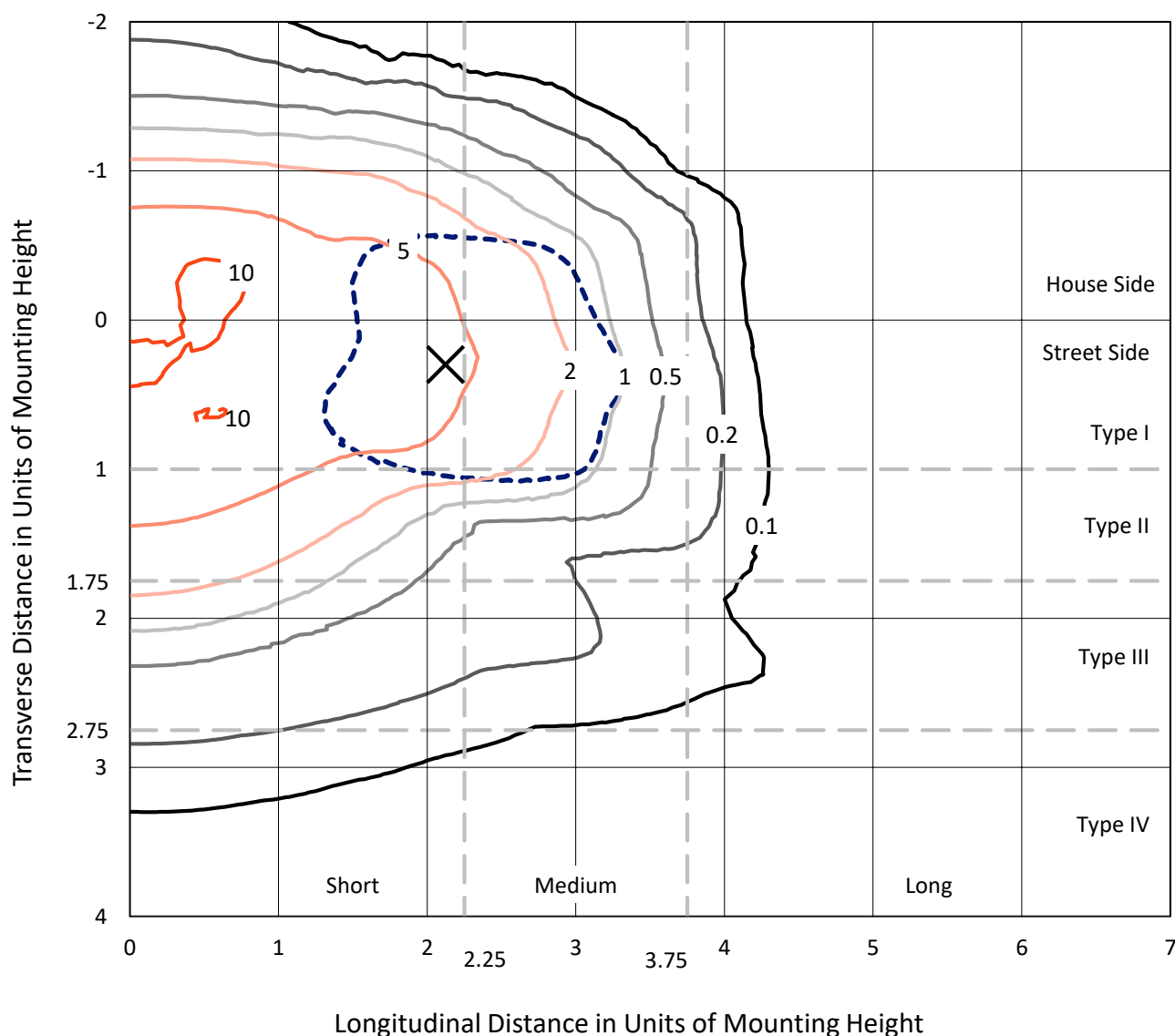


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

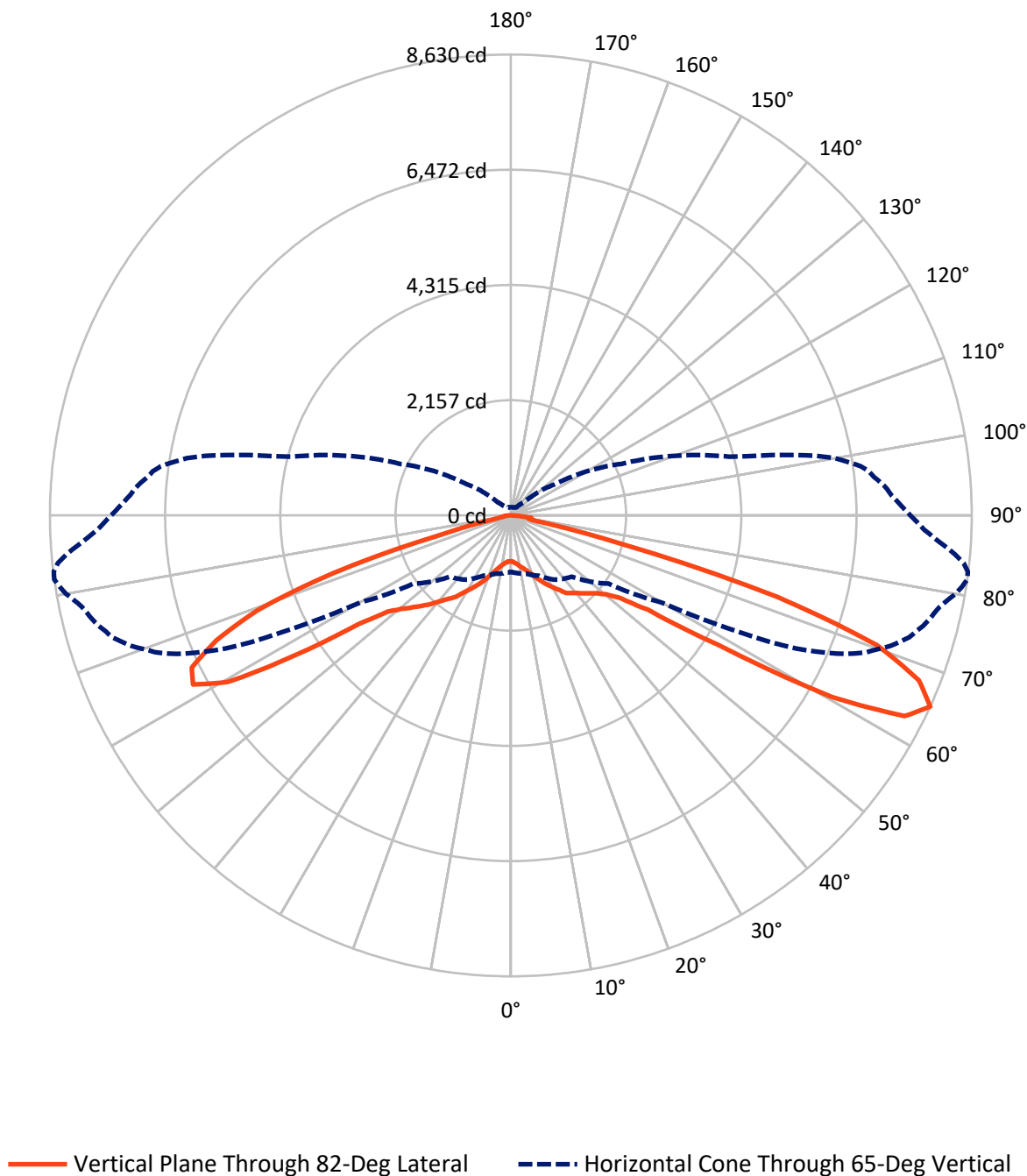


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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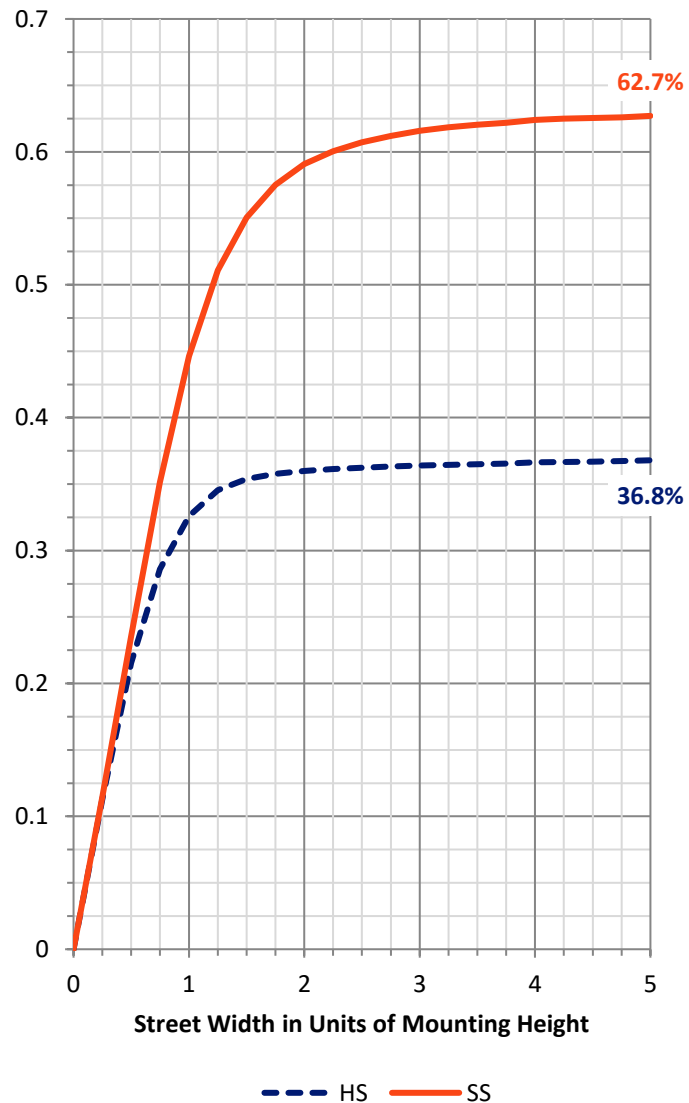
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3447.9	0.0	3447.9
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	5812.3	0.0	5812.3
	% Fixture	62.8	0.0	62.8
Total	Lumens	9260.1	0.0	9260.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	0.9
10°-20°	306.5	3.3
20°-30°	607.3	6.6
30°-40°	1041.0	11.2
40°-50°	1563.9	16.9
50°-60°	2172.7	23.5
60°-70°	2478.8	26.8
70°-80°	853.9	9.2
80°-90°	148.8	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9260.1	100.0
0°-180°	9260.1	100.0

Coefficient of Utilization



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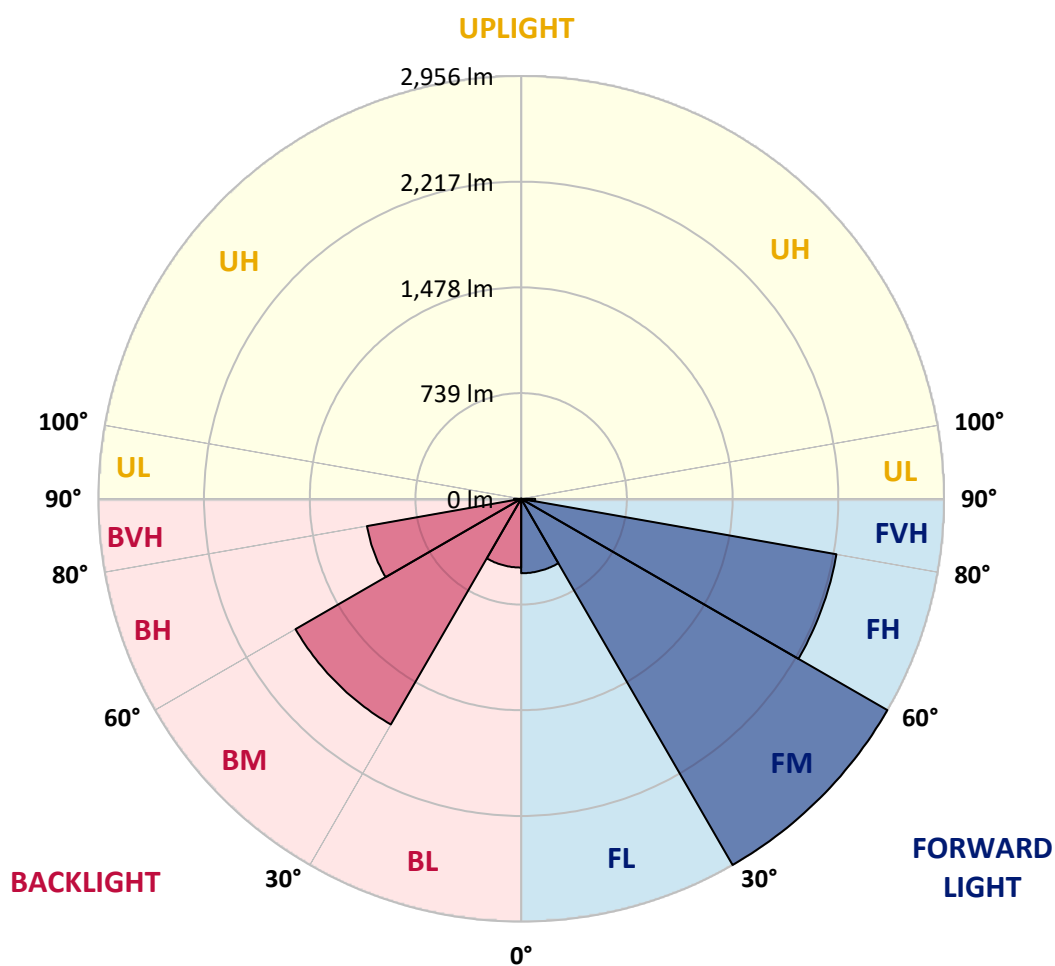
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.2	5.6			
FM	(30°-60°)	2956.0	31.9			
FH	(60°-80°)	2238.1	24.2			G2/5000
FVH	(80°-90°)	98.0	1.1			G1/100
BL	(0°-30°)	480.8	5.2	B1/500		
BM	(30°-60°)	1821.6	19.7	B2/2500		
BH	(60°-80°)	1094.6	11.8	B3/2500		G3/2500
BVH	(80°-90°)	50.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6
2.5°	908.4	909.0	908.4	906.6	906.0	900.6	894.6	891.6	891.0	888.6	889.2
5°	964.8	963.0	960.6	957.6	954.6	945.6	935.4	930.0	928.2	926.4	924.0
7.5°	1015.2	1016.4	1015.2	1011.0	1003.2	991.8	978.6	970.2	969.6	967.8	966.0
10°	1080.0	1083.0	1075.8	1068.6	1057.8	1040.4	1025.4	1014.6	1012.8	1010.4	1009.2
12.5°	1150.2	1150.8	1148.4	1132.2	1114.2	1090.2	1068.6	1057.8	1055.4	1052.4	1051.2
15°	1225.2	1225.8	1212.6	1197.0	1169.4	1140.6	1110.6	1098.6	1095.6	1096.2	1091.4
17.5°	1284.6	1285.8	1273.2	1253.4	1220.4	1186.2	1153.8	1144.2	1142.4	1143.0	1140.6
20°	1310.4	1312.2	1304.4	1289.4	1258.2	1228.2	1204.8	1198.8	1198.2	1197.0	1201.8
22.5°	1309.2	1309.8	1306.8	1300.8	1282.2	1264.8	1261.8	1265.4	1264.8	1266.0	1270.2
25°	1298.4	1300.2	1299.6	1302.0	1299.0	1305.6	1319.4	1332.0	1333.8	1336.2	1344.0
27.5°	1326.0	1329.6	1325.4	1327.8	1332.6	1354.8	1383.0	1402.2	1405.8	1412.4	1419.0
30°	1434.0	1429.2	1423.8	1417.8	1420.8	1434.6	1466.4	1483.2	1485.0	1489.8	1498.8
32.5°	1594.2	1588.8	1584.0	1574.4	1572.0	1566.0	1576.8	1581.0	1580.4	1585.2	1587.6
35°	1774.8	1775.4	1774.2	1781.4	1787.4	1756.8	1719.0	1708.8	1713.0	1707.6	1708.8
37.5°	1929.0	1930.8	1962.6	2002.2	2013.6	1994.4	1911.6	1870.8	1857.0	1855.2	1841.4
40°	2100.0	2100.0	2148.0	2196.6	2228.4	2252.4	2154.0	2082.0	2052.6	2044.2	2010.0
42.5°	2287.8	2278.2	2322.0	2375.4	2434.2	2488.8	2437.8	2356.8	2314.8	2299.8	2239.8
45°	2442.0	2436.0	2457.6	2507.4	2602.8	2709.6	2716.8	2675.4	2650.2	2619.0	2563.8
47.5°	2536.8	2533.8	2546.4	2600.4	2719.8	2892.6	2989.2	3010.2	2995.2	2971.2	2917.8
50°	2574.0	2569.8	2578.8	2638.8	2772.6	3000.6	3214.2	3313.2	3320.4	3325.8	3309.0
52.5°	2560.8	2555.4	2574.0	2624.4	2763.6	3038.4	3390.0	3580.2	3612.0	3639.0	3694.2
55°	2434.2	2425.8	2476.2	2571.0	2724.6	3024.6	3518.4	3837.0	3904.2	3976.2	4098.6
57.5°	2240.4	2233.2	2305.8	2436.0	2655.6	2986.8	3604.8	4161.6	4312.8	4442.4	4789.8
60°	2053.8	2047.8	2090.4	2216.4	2431.8	2802.6	3498.0	4270.8	4524.6	4804.2	5438.4
62.5°	1720.2	1704.0	1761.0	1867.2	2003.4	2318.4	3031.8	4027.8	4419.0	4830.0	5689.8
65°	1057.2	1080.6	1129.8	1247.4	1470.6	1620.6	2226.6	3258.6	3774.6	4290.0	5405.4
67.5°	671.4	678.0	714.6	796.2	969.0	1119.6	1349.4	2044.8	2442.6	2949.6	4243.8
70°	575.4	579.6	610.8	696.0	815.4	1000.8	1021.2	1068.0	1210.8	1533.6	2494.8
72.5°	453.6	460.8	485.4	559.2	703.2	902.4	1260.6	844.2	815.4	842.4	1217.4
75°	270.0	278.4	298.8	339.0	451.8	690.0	1320.6	982.2	915.6	863.4	840.0
77.5°	142.8	136.8	150.6	174.0	232.2	367.8	992.4	1203.6	1156.8	1094.4	961.8
80°	70.8	73.2	77.4	82.2	103.8	149.4	496.2	1245.0	1380.0	1440.0	1322.4
82.5°	28.2	31.8	45.0	48.0	57.0	63.6	159.6	690.0	988.2	1340.4	1750.2
85°	14.4	13.8	24.0	28.8	33.6	30.0	56.4	257.4	463.2	721.8	1169.4
87.5°	1.8	2.4	5.4	7.2	10.2	9.6	16.2	55.8	88.8	126.0	177.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6
2.5°	886.2	885.6	885.6	883.2	883.2	883.8	882.0	880.8	880.8	881.4	879.0
5°	922.2	920.4	920.4	918.0	915.0	915.0	912.6	912.0	910.8	908.4	906.6
7.5°	964.2	962.4	959.4	957.6	956.4	954.6	951.6	950.4	948.0	945.6	943.2
10°	1007.4	1005.0	1003.8	1000.8	999.6	996.0	994.2	994.8	990.0	988.2	988.8
12.5°	1050.6	1048.2	1044.0	1042.8	1042.2	1038.6	1036.8	1035.6	1032.0	1031.4	1029.6
15°	1089.0	1090.2	1088.4	1085.4	1083.0	1082.4	1080.6	1079.4	1077.0	1074.6	1072.2
17.5°	1138.8	1140.6	1138.2	1134.0	1134.0	1133.4	1134.0	1133.4	1129.2	1131.0	1129.8
20°	1202.4	1203.6	1197.6	1199.4	1200.6	1200.0	1201.8	1203.6	1202.4	1202.4	1204.2
22.5°	1275.6	1277.4	1273.8	1276.2	1279.8	1276.8	1282.2	1281.6	1282.8	1284.6	1285.2
25°	1350.6	1354.2	1351.2	1357.8	1355.4	1357.8	1364.4	1362.6	1365.6	1370.4	1372.2
27.5°	1425.6	1428.0	1428.6	1432.8	1437.0	1440.6	1449.0	1449.0	1451.4	1459.8	1459.8
30°	1504.2	1506.6	1509.0	1515.0	1517.4	1524.0	1532.4	1534.8	1533.6	1545.6	1549.2
32.5°	1594.8	1597.2	1601.4	1608.6	1611.6	1618.2	1618.2	1624.8	1629.6	1639.8	1640.4
35°	1715.4	1717.2	1715.4	1714.8	1719.0	1728.0	1728.6	1738.2	1742.4	1752.6	1755.6
37.5°	1836.0	1835.4	1827.6	1819.2	1819.8	1816.2	1813.8	1818.0	1819.8	1820.4	1827.0
40°	1998.6	1983.0	1971.0	1950.0	1940.4	1925.4	1916.4	1915.8	1906.2	1905.0	1906.8
42.5°	2211.6	2193.6	2165.4	2130.0	2103.0	2075.4	2055.0	2043.0	2022.0	2011.2	2002.2
45°	2509.2	2464.8	2431.2	2389.2	2337.0	2289.0	2238.6	2215.8	2175.6	2151.0	2123.4
47.5°	2872.8	2829.0	2777.4	2734.2	2665.8	2599.2	2530.2	2469.6	2399.4	2343.6	2298.0
50°	3267.6	3241.8	3204.6	3164.4	3076.2	3032.4	2945.4	2863.2	2787.6	2688.0	2601.0
52.5°	3672.6	3687.6	3679.2	3664.8	3609.0	3592.2	3517.2	3417.0	3340.8	3272.4	3121.2
55°	4171.8	4189.8	4225.8	4246.8	4240.2	4282.8	4264.2	4186.2	4155.6	4123.8	4016.4
57.5°	4935.6	5064.0	5201.4	5322.0	5350.2	5501.4	5469.0	5547.0	5602.2	5562.6	5527.8
60°	5749.8	6009.0	6242.4	6486.6	6685.2	6834.0	7030.8	7163.4	7246.8	7396.8	7408.8
62.5°	6078.0	6430.2	6726.6	7009.8	7245.6	7452.0	7629.6	7812.6	7962.6	8098.2	8196.0
65°	5898.0	6265.8	6625.2	6912.6	7139.4	7317.0	7510.2	7655.4	7803.0	7890.0	7992.6
67.5°	4903.2	5390.4	5832.6	6156.6	6466.8	6647.4	6876.0	7018.8	7175.4	7267.2	7333.2
70°	3196.8	3831.0	4435.2	4926.6	5345.4	5556.0	5832.0	6027.0	6215.4	6220.2	6330.0
72.5°	1725.0	2255.4	2761.2	3263.4	3741.0	4021.2	4293.6	4530.6	4717.8	4638.0	4747.2
75°	960.6	1209.0	1485.6	1787.4	2078.4	2238.6	2442.0	2443.2	2539.8	2388.0	2426.4
77.5°	924.0	912.6	916.8	925.2	939.6	909.0	908.4	889.8	861.0	808.8	817.8
80°	1213.8	1068.6	964.2	800.4	644.4	525.6	492.6	500.4	523.8	570.6	630.0
82.5°	1755.0	1632.6	1457.4	1199.4	941.4	726.0	596.4	529.2	526.2	573.0	663.0
85°	1278.0	1351.8	1340.4	1119.0	922.8	749.4	545.4	460.8	381.6	363.0	394.8
87.5°	188.4	156.0	175.8	147.0	106.8	82.8	72.6	58.2	55.8	57.0	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6
2.5°	879.6	877.2	874.8	876.6	874.8	874.2	872.4	871.2	870.6	870.6	870.6
5°	906.6	903.6	901.8	901.2	899.4	897.6	897.0	894.0	893.4	893.4	891.6
7.5°	943.2	940.8	937.8	936.0	934.8	931.8	928.8	928.2	927.6	925.2	923.4
10°	985.8	982.2	978.6	978.6	976.2	975.6	972.6	968.4	967.8	964.2	963.0
12.5°	1026.0	1024.8	1020.6	1019.4	1017.6	1015.8	1014.0	1012.2	1010.4	1007.4	1008.6
15°	1074.0	1071.0	1067.4	1068.0	1067.4	1065.0	1062.6	1060.8	1059.6	1058.4	1058.4
17.5°	1131.6	1130.4	1129.8	1126.8	1124.4	1126.2	1126.2	1126.2	1123.2	1123.8	1124.4
20°	1204.8	1206.0	1204.8	1202.4	1201.8	1203.6	1199.4	1206.0	1202.4	1200.0	1201.2
22.5°	1285.8	1290.0	1285.2	1285.8	1288.8	1290.0	1285.8	1291.2	1289.4	1285.8	1288.8
25°	1374.0	1377.0	1374.6	1374.0	1375.8	1380.0	1379.4	1378.8	1383.0	1379.4	1381.2
27.5°	1464.6	1466.4	1467.6	1469.4	1470.6	1470.0	1472.4	1472.4	1474.8	1470.6	1472.4
30°	1554.6	1554.6	1557.0	1559.4	1559.4	1559.4	1564.2	1564.8	1561.2	1562.4	1558.2
32.5°	1650.6	1651.2	1653.6	1653.6	1658.4	1659.0	1664.4	1657.2	1664.4	1658.4	1659.6
35°	1763.4	1771.2	1772.4	1778.4	1783.2	1785.0	1785.0	1785.6	1792.2	1787.4	1789.2
37.5°	1829.4	1831.2	1836.0	1839.0	1839.0	1841.4	1843.2	1841.4	1843.2	1842.6	1844.4
40°	1907.4	1905.6	1911.0	1912.2	1909.8	1912.8	1912.2	1910.4	1915.2	1911.6	1914.0
42.5°	2002.2	1992.0	1991.4	1996.2	1991.4	1993.8	1993.2	1989.0	1995.0	1996.8	1995.0
45°	2103.6	2098.2	2087.4	2087.4	2082.6	2080.8	2081.4	2080.8	2081.4	2088.6	2091.0
47.5°	2268.6	2235.6	2217.0	2199.6	2185.2	2184.6	2178.0	2181.6	2186.4	2198.4	2209.2
50°	2545.2	2469.0	2422.2	2379.0	2347.8	2337.0	2324.4	2323.2	2327.4	2341.2	2359.8
52.5°	3038.4	2932.8	2833.2	2740.8	2660.4	2598.6	2568.0	2551.8	2545.8	2559.6	2577.6
55°	3940.8	3741.6	3601.2	3507.6	3307.8	3223.2	3114.6	3064.8	3016.2	3021.0	3051.6
57.5°	5482.8	5375.4	5257.8	5094.0	4971.6	4824.0	4552.8	4401.6	4408.2	4443.6	4333.2
60°	7503.6	7395.0	7346.4	7197.6	7112.4	7053.0	6909.0	6658.2	6569.4	6552.6	6349.8
62.5°	8271.0	8296.8	8335.2	8377.2	8374.8	8400.6	8274.6	8193.0	8090.4	7957.2	7756.8
65°	8070.6	8136.0	8214.0	8326.8	8455.2	8550.0	8629.8	8620.2	8524.2	8346.6	8134.8
67.5°	7392.0	7456.8	7513.8	7665.0	7875.6	8068.2	8238.6	8354.4	8290.2	8143.2	7896.0
70°	6372.0	6418.8	6454.8	6586.2	6817.2	7052.4	7275.0	7469.4	7449.6	7271.4	7074.0
72.5°	4617.0	4730.4	4791.6	4782.6	4925.4	5188.8	5220.0	5386.2	5432.4	5240.4	4926.0
75°	2249.4	2251.2	2180.4	2157.0	2164.2	2209.8	2122.8	2128.2	2098.2	1962.0	1849.8
77.5°	786.0	764.4	712.8	651.6	564.0	481.8	398.4	362.4	350.4	315.0	290.4
80°	677.4	709.2	699.0	648.6	556.2	443.4	331.2	245.4	209.4	196.8	184.8
82.5°	769.2	891.6	969.6	965.4	838.8	630.0	393.0	225.6	160.8	141.0	129.6
85°	429.0	461.4	470.4	428.4	355.8	243.0	135.6	95.4	81.0	73.8	66.6
87.5°	68.4	62.4	61.2	53.4	50.4	46.2	40.8	38.4	35.4	33.6	33.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P159310

CATALOG NUMBER: VST-E03-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6
2.5°	870.0	869.4	867.6	865.8	864.6	864.0	863.4	862.2	861.6	861.0	859.8
5°	890.4	889.2	886.2	883.2	882.0	880.2	878.4	877.2	876.0	875.4	873.0
7.5°	922.2	921.0	917.4	915.0	914.4	909.6	909.0	907.2	904.2	903.6	900.0
10°	960.6	960.0	957.0	955.2	954.0	951.6	948.0	945.0	942.0	942.0	939.6
12.5°	1005.0	1002.6	1004.4	1000.2	999.0	996.6	994.8	994.2	990.6	987.6	987.0
15°	1057.2	1054.2	1054.2	1053.0	1051.8	1049.4	1048.8	1049.4	1045.8	1047.0	1043.4
17.5°	1122.0	1123.2	1122.6	1122.6	1119.6	1119.6	1114.8	1120.8	1116.6	1119.6	1118.4
20°	1203.0	1203.6	1202.4	1204.2	1205.4	1204.8	1204.2	1203.6	1205.4	1207.8	1206.0
22.5°	1289.4	1289.4	1288.8	1295.4	1288.2	1293.6	1295.4	1291.8	1301.4	1300.2	1302.0
25°	1383.0	1383.0	1387.8	1393.2	1394.4	1390.2	1392.6	1389.6	1395.6	1400.4	1401.6
27.5°	1470.0	1477.8	1481.4	1477.8	1480.8	1487.4	1486.8	1486.8	1491.0	1489.8	1501.2
30°	1559.4	1564.2	1569.0	1566.6	1567.8	1576.2	1576.8	1577.4	1582.8	1590.6	1599.0
32.5°	1661.4	1666.2	1663.8	1671.6	1671.0	1681.2	1683.0	1684.8	1701.6	1698.6	1716.0
35°	1786.8	1791.6	1789.2	1797.6	1796.4	1800.0	1806.6	1813.8	1816.8	1834.2	1848.0
37.5°	1845.6	1845.6	1851.0	1860.6	1864.2	1870.2	1880.4	1889.4	1904.4	1923.0	1944.6
40°	1916.4	1918.2	1925.4	1935.6	1942.2	1956.0	1974.6	1987.2	2010.0	2030.4	2055.6
42.5°	2002.2	2010.0	2018.4	2032.2	2046.6	2068.2	2094.6	2110.8	2140.8	2167.2	2198.4
45°	2102.4	2110.2	2130.0	2155.2	2176.2	2200.2	2221.8	2260.2	2287.2	2314.8	2341.8
47.5°	2223.6	2246.4	2262.6	2292.6	2318.4	2350.2	2377.2	2413.2	2442.6	2476.2	2499.0
50°	2379.0	2407.2	2428.2	2467.2	2492.4	2527.8	2562.0	2589.0	2619.0	2652.0	2670.6
52.5°	2602.2	2631.0	2657.4	2706.0	2737.2	2761.2	2806.8	2840.4	2868.0	2892.0	2912.4
55°	3085.8	3077.4	3150.6	3244.8	3255.6	3342.6	3358.8	3387.0	3438.0	3445.2	3502.2
57.5°	4467.6	4424.4	4530.6	4668.6	4644.6	4600.8	4783.8	4795.2	4769.4	4838.4	4760.4
60°	6379.8	6304.2	6333.0	6370.8	6316.2	6290.4	6299.4	6325.2	6300.0	6272.4	6196.8
62.5°	7656.6	7540.2	7456.8	7386.6	7297.8	7233.6	7161.6	7072.8	7048.8	6948.0	6863.4
65°	7929.0	7747.8	7615.8	7483.2	7360.8	7247.4	7138.8	7062.6	6961.8	6842.4	6754.2
67.5°	7629.6	7405.2	7212.0	7019.4	6880.8	6714.0	6632.4	6508.2	6384.0	6247.2	6166.2
70°	6759.6	6525.6	6282.6	6094.2	5905.8	5699.4	5659.2	5512.2	5440.8	5254.2	5221.8
72.5°	4665.6	4509.6	4401.0	4168.2	4053.6	3948.0	3914.4	3778.2	3792.6	3588.0	3662.4
75°	1659.0	1636.8	1605.0	1473.6	1450.2	1409.4	1398.6	1389.0	1486.2	1351.2	1449.0
77.5°	285.0	283.2	267.0	259.2	274.2	264.6	267.0	262.2	290.4	294.6	288.0
80°	177.0	172.2	166.8	163.2	163.8	160.2	160.8	162.0	163.8	163.2	165.0
82.5°	121.2	117.0	114.6	112.2	115.8	117.0	120.0	123.0	127.8	130.8	134.4
85°	66.0	60.6	60.6	60.0	64.8	68.4	73.2	79.2	87.6	94.8	102.6
87.5°	33.6	32.4	33.0	34.2	38.4	41.4	47.4	52.8	60.0	67.8	75.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P159310

CATALOG NUMBER: VST-E03-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6
2.5°	859.2	859.2	858.6	858.6	858.0	857.4	856.8	855.0	848.4	842.4	838.2
5°	872.4	870.6	870.0	868.2	867.6	866.4	864.6	862.8	850.8	840.0	832.2
7.5°	899.4	897.0	895.8	894.0	892.2	889.8	887.4	885.6	871.2	858.6	849.0
10°	934.8	933.6	933.0	930.6	930.6	927.0	926.4	922.2	906.6	895.2	886.8
12.5°	984.0	981.6	981.0	978.0	979.2	978.0	976.8	974.4	963.0	949.8	938.4
15°	1045.2	1045.2	1042.2	1039.8	1040.4	1039.2	1041.6	1038.6	1031.4	1019.4	1000.8
17.5°	1119.0	1117.8	1119.0	1117.2	1118.4	1119.6	1116.6	1117.2	1113.6	1098.6	1071.0
20°	1204.8	1203.0	1210.2	1207.2	1213.8	1207.8	1209.0	1210.8	1210.8	1191.0	1153.8
22.5°	1303.2	1302.0	1302.0	1308.0	1310.4	1311.0	1313.4	1315.2	1320.0	1294.8	1235.4
25°	1401.6	1405.8	1406.4	1414.2	1417.8	1417.8	1419.6	1426.2	1440.6	1405.8	1329.0
27.5°	1501.8	1512.0	1514.4	1519.8	1525.2	1530.6	1534.8	1539.6	1563.0	1525.2	1425.0
30°	1602.0	1613.4	1621.8	1627.8	1634.4	1647.6	1650.0	1659.6	1698.6	1652.4	1516.2
32.5°	1719.6	1735.8	1746.6	1754.4	1764.6	1777.2	1784.4	1796.4	1834.2	1758.6	1582.8
35°	1860.0	1869.6	1885.2	1898.4	1904.4	1926.0	1937.4	1940.4	1969.2	1850.4	1632.0
37.5°	1957.2	1973.4	2000.4	2019.0	2029.8	2041.8	2061.0	2073.6	2101.2	1933.8	1656.6
40°	2080.8	2105.4	2127.0	2154.6	2172.0	2181.0	2200.2	2210.4	2214.0	2005.2	1648.8
42.5°	2231.4	2253.6	2282.4	2304.6	2317.8	2328.0	2343.6	2347.8	2301.0	2038.8	1606.8
45°	2373.0	2407.2	2431.8	2448.0	2457.6	2463.0	2472.6	2473.2	2373.0	2022.0	1534.8
47.5°	2525.4	2550.0	2572.8	2584.2	2583.0	2584.2	2580.6	2578.2	2409.0	1963.8	1442.4
50°	2694.0	2710.2	2719.8	2725.2	2728.2	2716.8	2700.6	2689.8	2412.0	1881.0	1348.8
52.5°	2920.2	2940.6	2938.8	2938.2	2914.2	2903.4	2860.2	2838.0	2394.6	1783.8	1243.2
55°	3493.2	3473.4	3434.4	3453.6	3355.8	3304.8	3237.6	3175.2	2417.4	1691.4	1120.8
57.5°	4791.6	4799.4	4688.4	4629.0	4464.0	4257.6	4091.4	3930.0	2622.6	1635.0	961.2
60°	6146.4	6044.4	5903.4	5688.6	5476.2	5169.6	4873.8	4594.2	2827.2	1576.2	772.2
62.5°	6738.0	6592.8	6379.8	6102.0	5768.4	5393.4	5025.0	4684.2	2728.2	1386.0	561.6
65°	6618.0	6396.0	6160.8	5835.6	5430.0	5019.0	4588.8	4240.8	2282.4	1033.8	346.2
67.5°	5990.4	5802.0	5553.6	5167.8	4734.0	4306.2	3912.0	3522.0	1695.6	644.4	193.8
70°	5056.2	4872.0	4620.0	4225.2	3792.0	3382.8	2965.2	2647.2	1080.6	310.8	139.8
72.5°	3507.6	3358.2	3180.0	2898.6	2518.8	2146.8	1864.2	1620.0	598.8	165.0	127.8
75°	1424.4	1425.0	1392.6	1273.8	1076.4	928.2	791.4	671.4	250.2	140.4	126.0
77.5°	322.8	328.2	358.8	340.2	306.6	286.8	256.8	226.8	152.4	144.6	127.2
80°	163.2	163.8	162.0	162.6	160.8	161.4	159.0	157.2	142.8	148.8	127.2
82.5°	136.2	139.2	138.6	138.6	139.2	139.2	139.2	138.6	148.2	156.6	123.0
85°	108.0	114.0	118.8	123.6	129.0	132.6	134.4	136.2	144.0	154.2	111.6
87.5°	81.6	88.8	94.8	99.6	108.0	108.0	114.0	118.2	118.2	120.6	58.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P159310

CATALOG NUMBER: VST-E03-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	861.6	861.6	861.6	861.6	861.6
2.5°	832.2	829.8	827.4	826.2	823.8
5°	826.2	821.4	818.4	818.4	816.0
7.5°	843.6	841.8	837.6	835.2	837.6
10°	880.8	877.8	873.0	869.4	871.2
12.5°	930.6	918.6	909.0	904.8	901.8
15°	982.2	958.2	939.0	928.2	925.2
17.5°	1037.4	995.4	966.6	950.4	947.4
20°	1093.8	1041.6	1000.8	979.8	979.2
22.5°	1161.6	1092.0	1039.8	1012.2	1010.4
25°	1233.0	1137.0	1068.0	1032.6	1029.0
27.5°	1294.8	1173.0	1085.4	1043.4	1039.8
30°	1346.4	1200.0	1099.8	1051.2	1046.4
32.5°	1383.6	1215.6	1105.8	1053.6	1048.2
35°	1395.6	1209.6	1089.0	1032.0	1026.0
37.5°	1379.4	1170.6	1042.2	979.2	972.0
40°	1330.8	1102.2	966.0	901.2	892.2
42.5°	1256.4	1018.2	874.2	812.4	801.0
45°	1164.6	923.4	783.0	714.0	708.6
47.5°	1068.6	823.8	680.4	618.0	611.4
50°	964.8	708.6	580.2	512.4	512.4
52.5°	841.2	596.4	463.8	412.8	408.6
55°	699.0	469.8	369.6	330.6	325.2
57.5°	546.0	361.2	295.2	272.4	266.4
60°	401.4	271.2	237.6	225.0	222.6
62.5°	272.4	206.4	191.4	186.0	185.4
65°	184.2	160.8	156.6	154.8	155.4
67.5°	141.6	133.8	132.0	131.4	131.4
70°	123.0	118.2	116.4	117.0	116.4
72.5°	115.8	109.2	109.8	111.0	110.4
75°	113.4	105.0	107.4	108.0	105.6
77.5°	111.6	100.2	106.2	108.0	101.4
80°	108.0	96.0	110.4	111.0	99.6
82.5°	99.0	85.2	110.4	102.0	90.0
85°	84.0	64.8	124.8	88.8	66.6
87.5°	53.4	38.4	84.6	60.6	40.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)